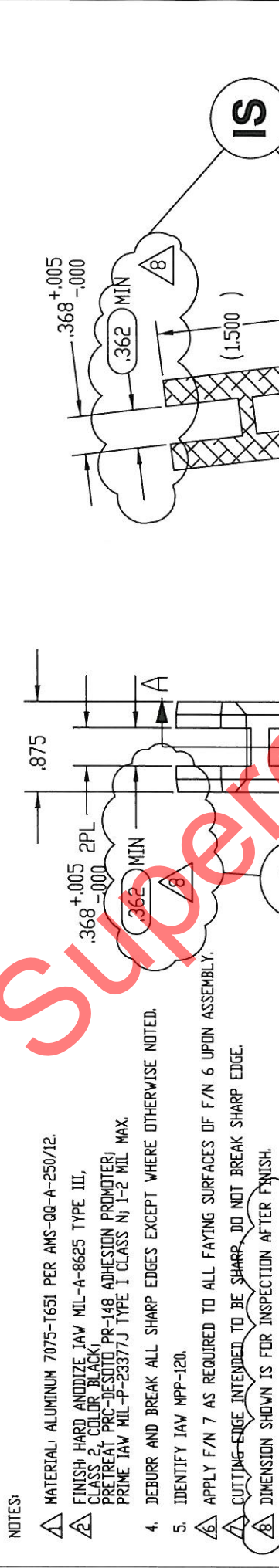


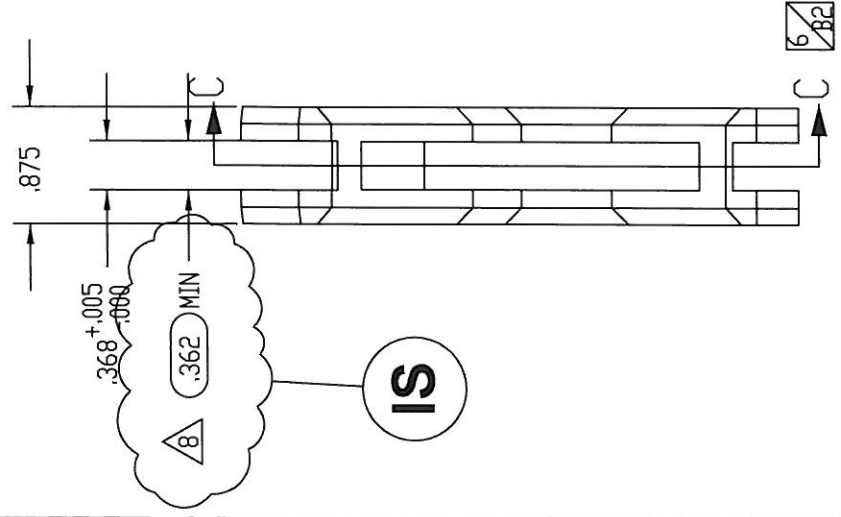
ENGINEERING CHANGE NOTICE NO. 03029		SHEET 1 OF 2	
DWG NO. 647.9700	REV: N/C	PREPARED BY: R. ROSANO	DATE: 01/04/11
DWG TITLE: CUTTER SUB ASSY			
APPROVED BY: ENGR. <i>[Signature]</i>	MFG. <i>[Signature]</i>	QC. <i>[Signature]</i>	EFF. CURRENT ORDER AND STOCK
REASON: ADDED DELTA NOTE 8, ADDED INSPECTION DIMENSIONS			
TRANSACTION CODES (TC): A-ADD C-CREATE R-REVISE D-DELETE			

SHEET 1, ZONE B1, IS: SHEET 3, ZONE B5, IS: SHEET 3, ZONE B8-D8, IS:

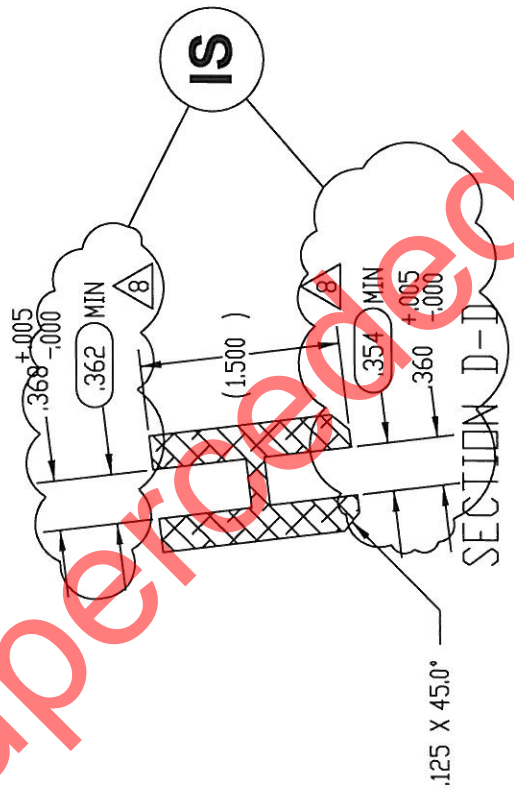


NOTES:		DESCRIPTION		MATERIAL		SPECIFICATION	
1. MATERIAL: ALUMINUM 7075-T651 PER AMS-QQ-A-250/12.							
2. FINISH: HARD ANODIZE IAW MIL-A-8625 TYPE III, CLASS 2, COLOR BLACK.							
3. PRETREAT: PRC-BESITTO PR-148 ADHESION PROMOTER, PRIME IAW MIL-P-23377J TYPE I CLASS N: 1-2 MIL MAX.							
4. DEBURR AND BREAK ALL SHARP EDGES EXCEPT WHERE OTHERWISE NOTED.							
5. IDENTIFY IAW MPP-120.							
6. APPLY F/N 7 AS REQUIRED TO ALL FAYING SURFACES OF F/N 6 UPON ASSEMBLY.							
7. CUTTING EDGE INTENDED TO BE SHARP. DO NOT BREAK SHARP EDGE.							
8. DIMENSION SHOWN IS FOR INSPECTION AFTER FINISH.							
F/N	TC	PART NUMBER	QTY				
DOCUMENTS EFFECTED:				CHANGE CATEGORY	DER REVIEW REQUIRED		
				<input type="checkbox"/> MDL <input type="checkbox"/> INSTALL <input type="checkbox"/> INSTRU <input type="checkbox"/> ICA <input type="checkbox"/> BOM	<input type="checkbox"/> MAJOR <input checked="" type="checkbox"/> MINOR	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	

SHEET 5, ZONE A5, IS:



SHEET 5, ZONE B8-D8, IS:



F/N	TC	PART NUMBER	QTY	DESCRIPTION	MATERIAL	SPECIFICATION

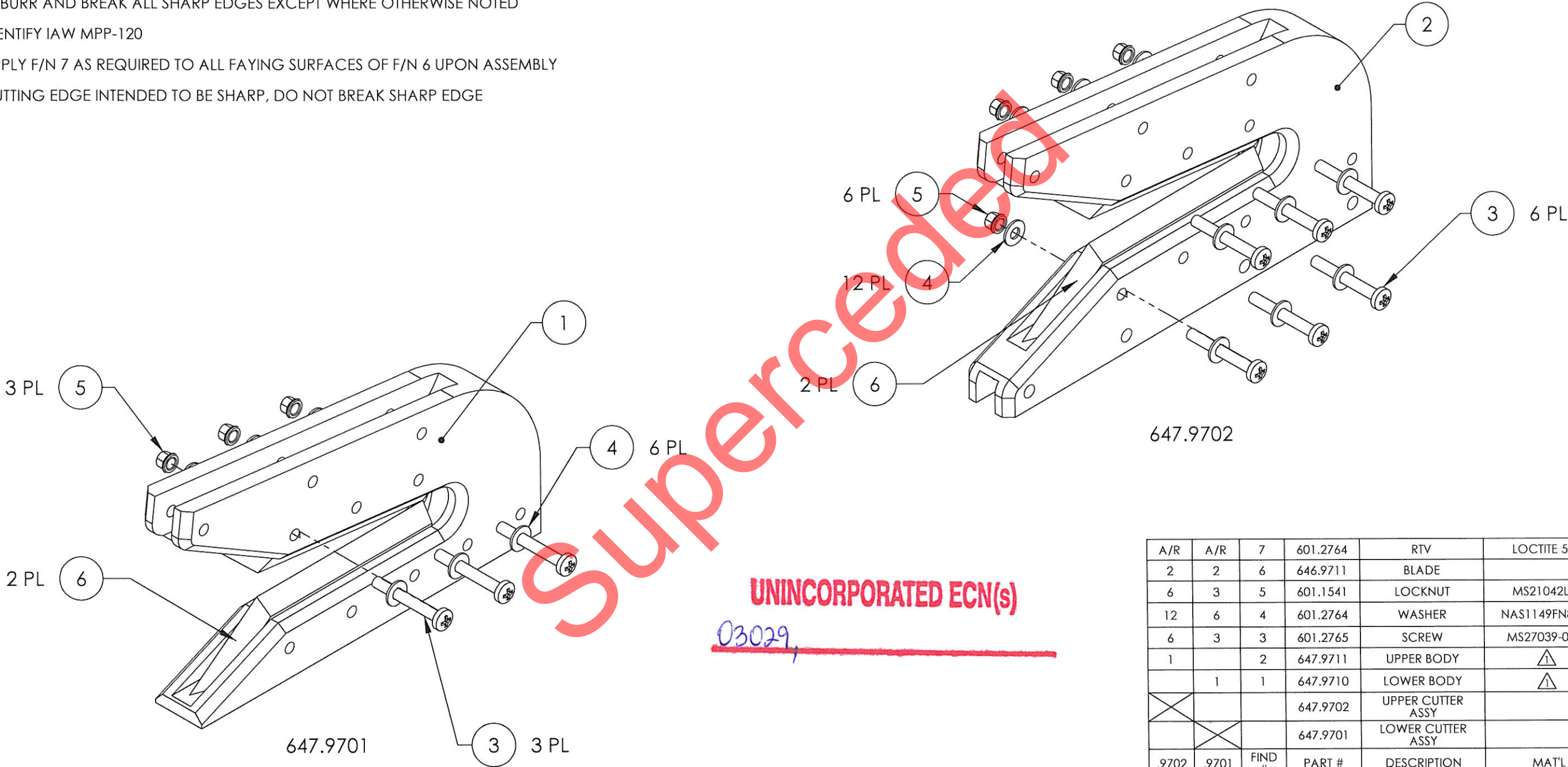
1 2 3 4 5 6 7 8

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REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
	LAST PROTOTYPE RELEASE: PR1		
N/C	INITIAL RELEASE	04-26-10	P. BRAVO

NOTES:

- 1 MATERIAL: ALUMINUM 7075-T651 PER AMS-QQ-A-250/12
- 2 FINISH: HARD ANODIZE IAW MIL-A-8625 TYPE III, CLASS 2, COLOR BLACK;  
PRETREAT PRC-DESOTO PR-148 ADHESION PROMOTER;  
PRIME IAW MIL-P-23377J TYPE I CLASS N; 1-2 MIL MAX
4. DEBURR AND BREAK ALL SHARP EDGES EXCEPT WHERE OTHERWISE NOTED
5. IDENTIFY IAW MPP-120
- 6 APPLY F/N 7 AS REQUIRED TO ALL FAYING SURFACES OF F/N 6 UPON ASSEMBLY
- 7 CUTTING EDGE INTENDED TO BE SHARP, DO NOT BREAK SHARP EDGE



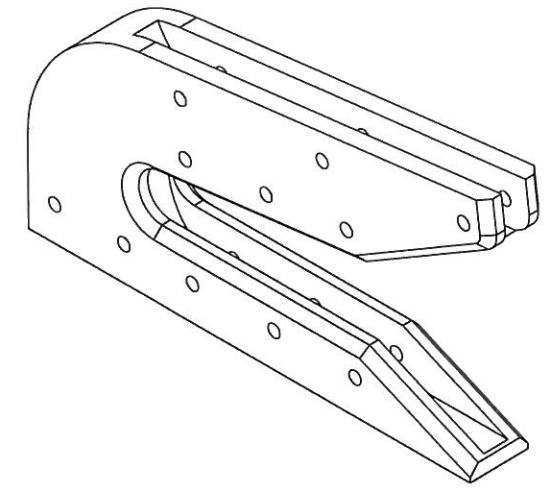
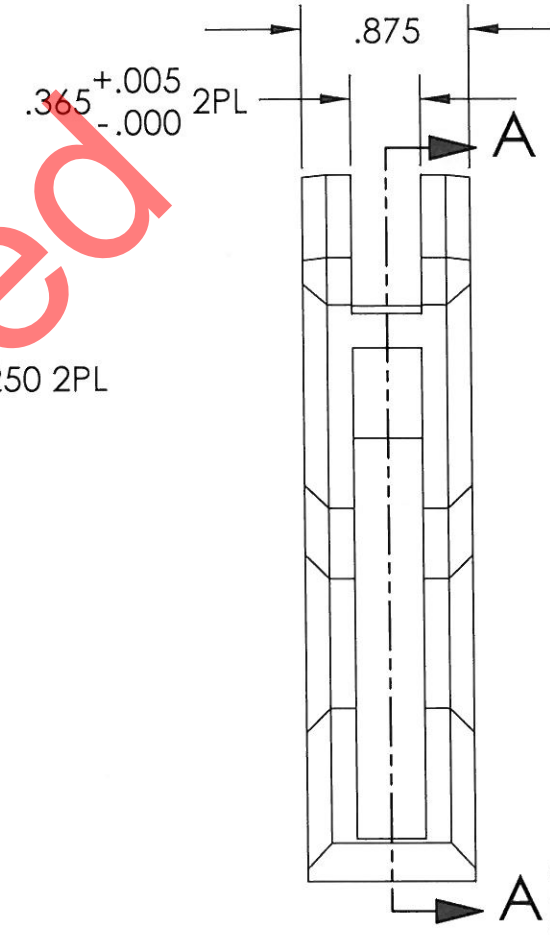
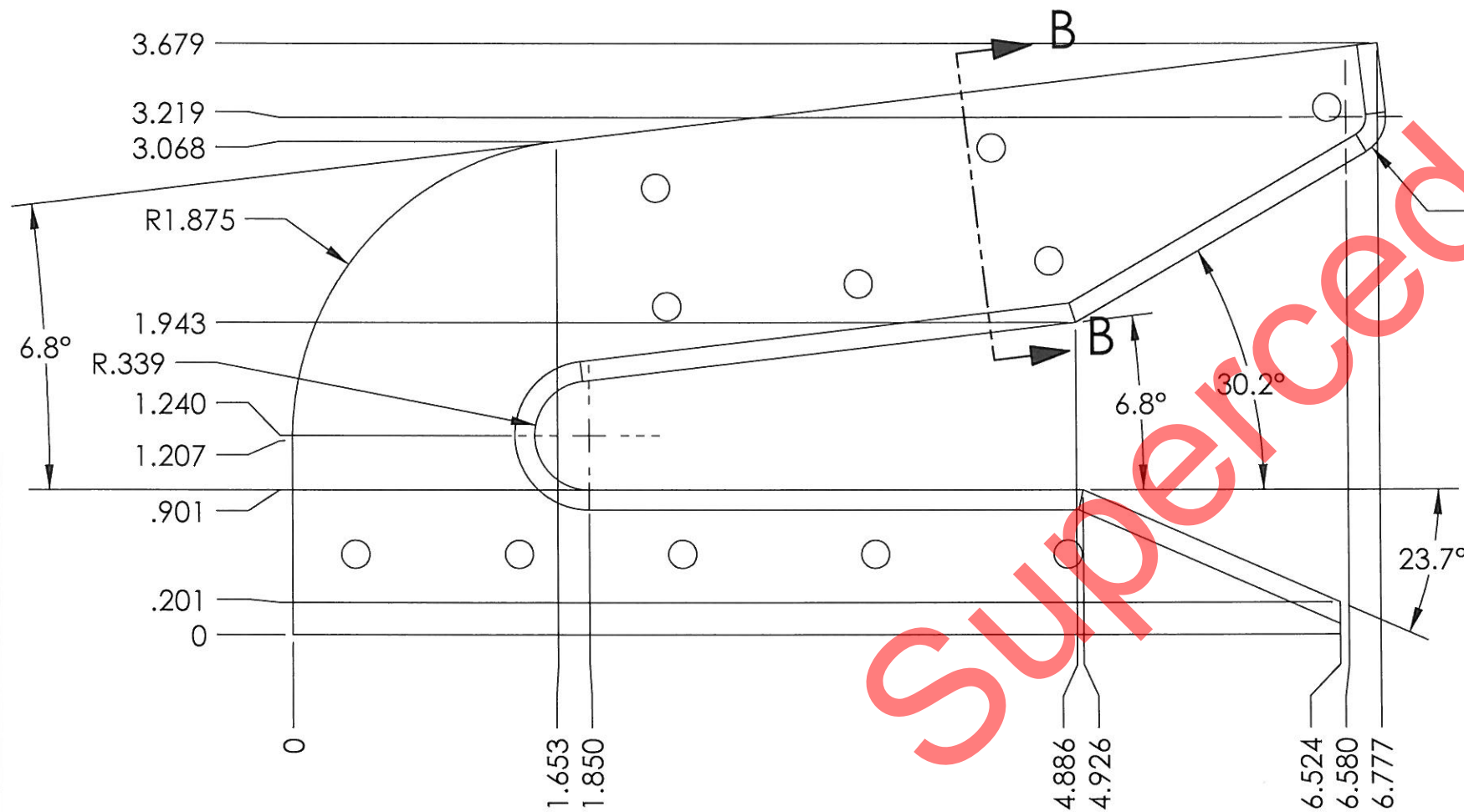
UNINCORPORATED ECN(s)  
03029

A/R	A/R	7	601.2764	RTV	LOCTITE 598	
2	2	6	646.9711	BLADE		
6	3	5	601.1541	LOCKNUT	MS21042L08	
12	6	4	601.2764	WASHER	NAS1149FN832P	
6	3	3	601.2765	SCREW	MS27039-0819	
1		2	647.9711	UPPER BODY	1	2
	1	1	647.9710	LOWER BODY	1	2
			647.9702	UPPER CUTTER ASSY		
			647.9701	LOWER CUTTER ASSY		
.9702	.9701	FIND #	PART #	DESCRIPTION	MAT'L	SPEC.
QTY			PARTS LIST			
NEXT ASSY (S)			ORIGINAL DATE (MO-DA-YR) 04-26-10			
647.9200			DRAWN BY A. QUAN CHECKER P. BRAVO			
			DRAWING APPROVAL P. BRAVO 04-26-10			
			CONTRACT No.			
			UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 2 PLACE DECIMALS ±.03 3 PLACE DECIMALS ±.010 ANGLES ±.5°			
			APICAL INDUSTRIES 2608 TEMPLE HEIGHTS DR. OCEANSIDE, CA. 92056-3512 (760)724-5300			
			CUTTER SUB ASSYS			
			SIZE B CAGE CODE 07MZ6 DWG. NO. 647.9700 REV. N/C			
			SCALE NONE SHEET 1 OF 7			

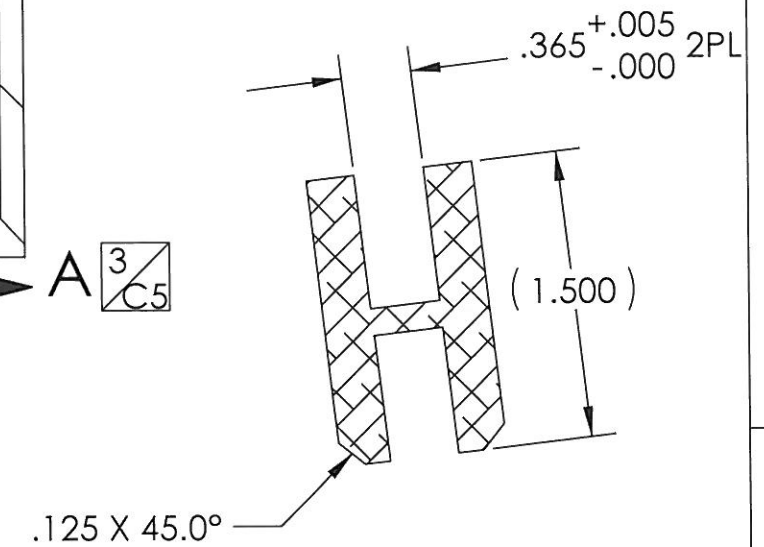


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REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED



647.9710



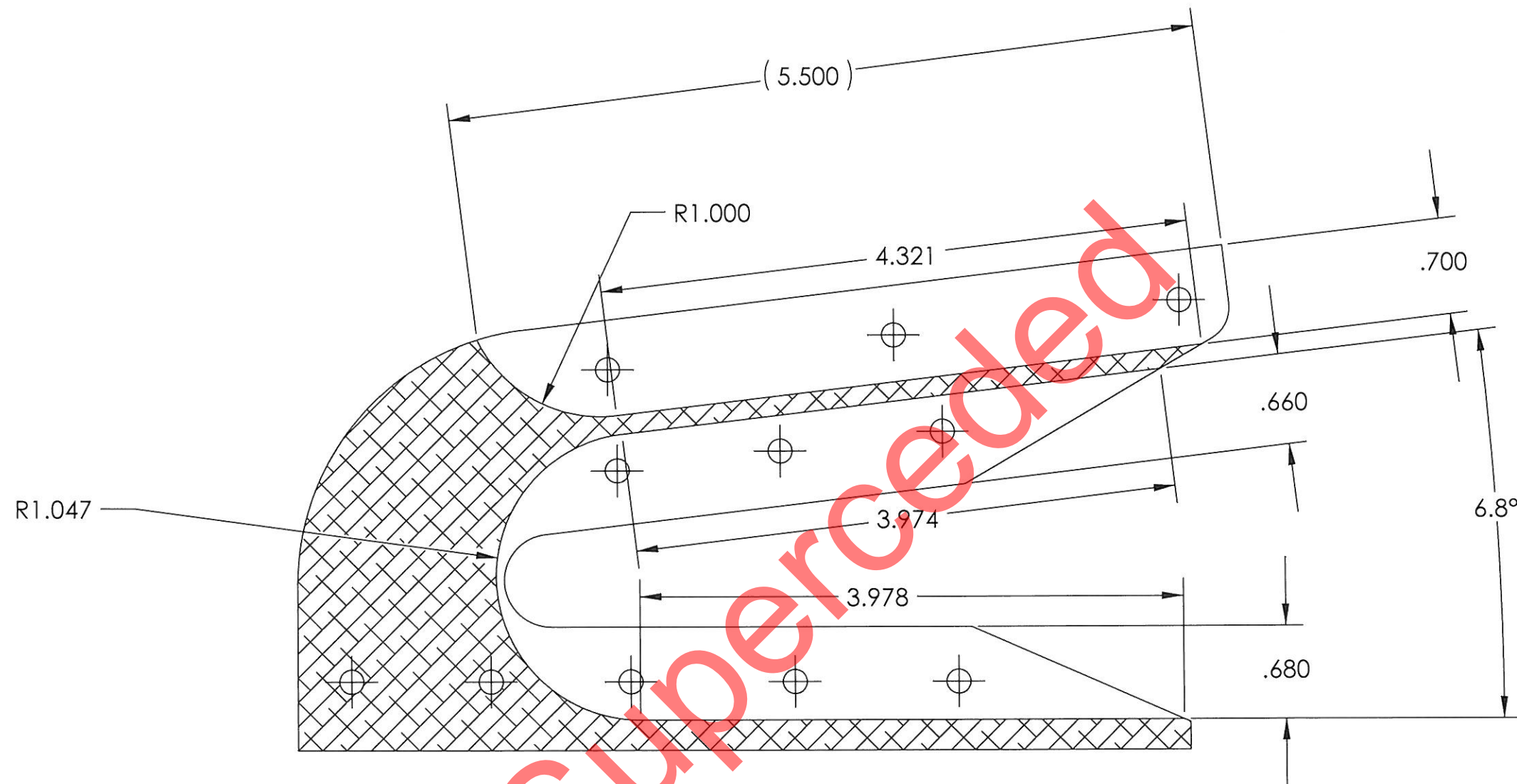
SECTION B-B  
SCALE 1 : 1

ORIGINAL DATE (MO-DA-YR) 04-26-10		APICAL INDUSTRIES	
DRAWN BY A. QUAN	CHECKER P. BRAVO	2608 TEMPLE HEIGHTS DR. OCEANSIDE, CA. 92056-3512 (760)724-5300	
DRAWING APPROVAL P. BRAVO 04-26-10		CUTTER SUB ASSYS	
CONTRACT No.			
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 2 PLACE DECIMALS ±.03 3 PLACE DECIMALS ±.010 ANGLES ± 5°		SIZE B	REV. N/C
		CAGE CODE 07MZ6	
		DWG. NO. 647.9700	
		SCALE NONE	SHEET 2 OF 7

1 2 3 4 5 6 7 8

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REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED



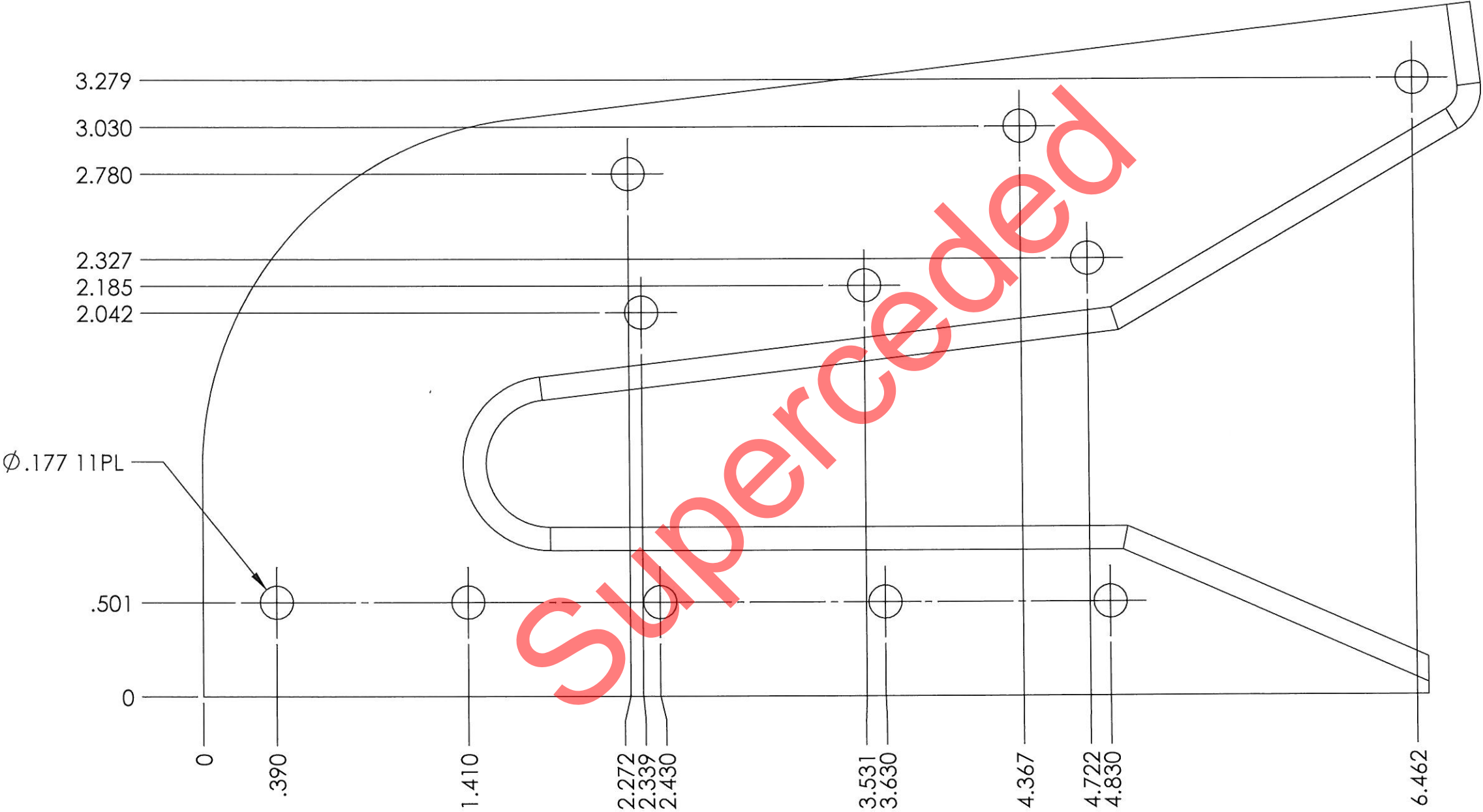
SECTION A-A  
SCALE 1 : 1

2  
B6

ORIGINAL DATE (MO-DA-YR) 04-26-10		APICAL INDUSTRIES	
DRAWN BY A. QUAN	CHECKER P. BRAVO	2608 TEMPLE HEIGHTS DR. OCEANSIDE, CA. 92056-3512 (760)724-5300	
DRAWING APPROVAL P. BRAVO 04-26-10		CUTTER SUB ASSYS	
CONTRACT No.		SIZE B	REV. N/C
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 2 PLACE DECIMALS ±.03 3 PLACE DECIMALS ±.010 ANGLES ± .5°		CAGE CODE 07MZ6	REV. N/C
DWG. NO. 647.9700		SCALE NONE	SHEET 3 OF 7

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REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED



ORIGINAL DATE  
(MO-DA-YR) 04-26-10  
DRAWN BY  
A. QUAN  
CHECKER  
P. BRAVO  
DRAWING APPROVAL  
P. BRAVO  
04-26-10  
CONTRACT No.

UNLESS OTHERWISE SPECIFIED  
DIMENSIONS ARE IN INCHES  
TOLERANCES ARE:  
2 PLACE DECIMALS ±.03  
3 PLACE DECIMALS ±.010  
ANGLES ±.5°

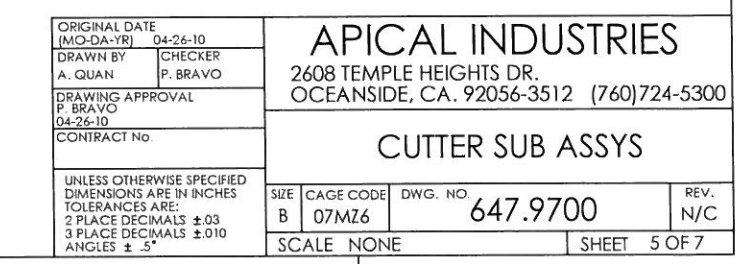
APICAL INDUSTRIES  
2608 TEMPLE HEIGHTS DR.  
OCEANSIDE, CA. 92056-3512 (760)724-5300

CUTTER SUB ASSYS

SIZE B	CAGE CODE 07MZ6	DWG. NO. 647.9700	REV. N/C
SCALE NONE			SHEET 4 OF 7

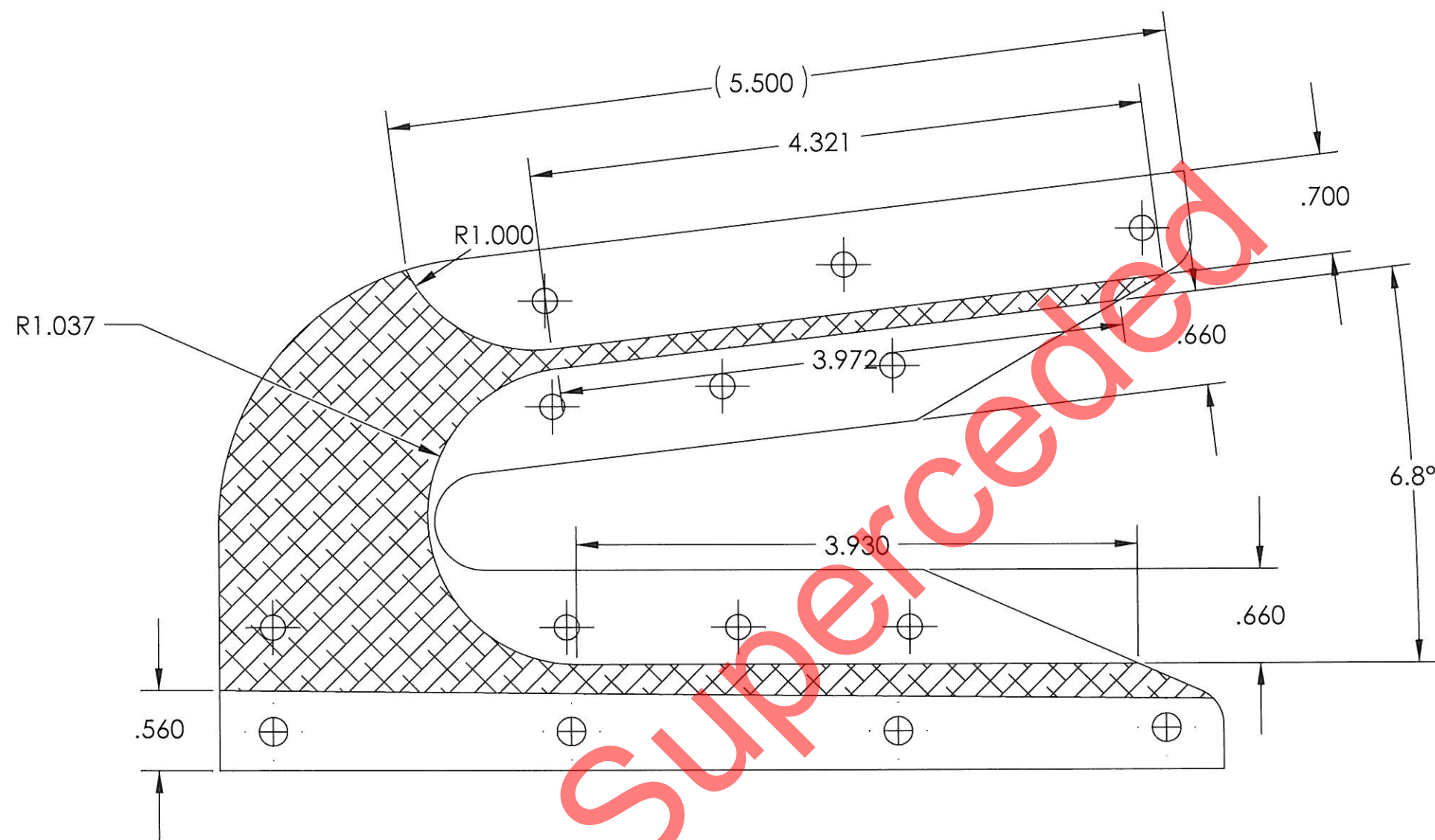


REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED



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REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED



SECTION C-C  
SCALE 1 : 1

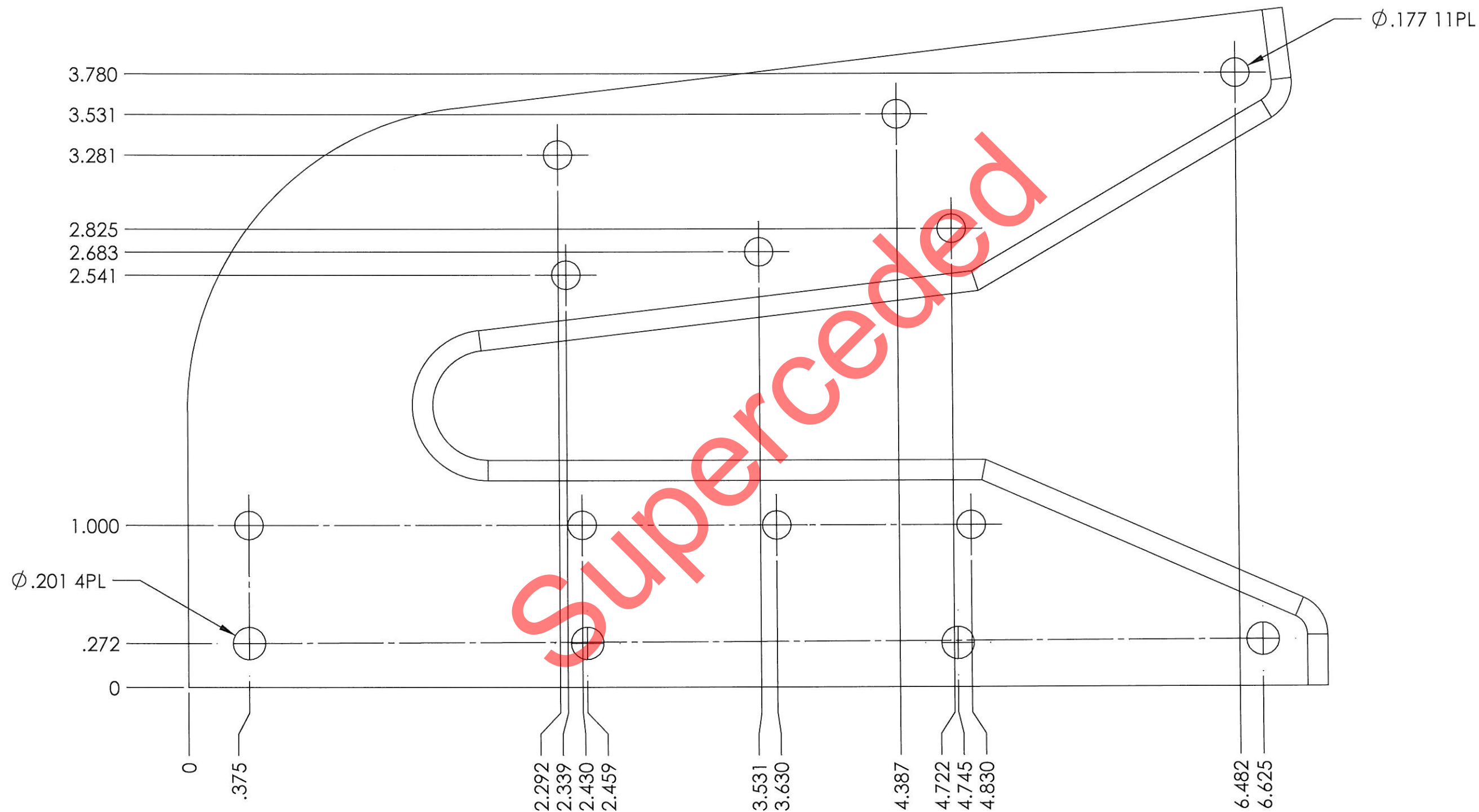


ORIGINAL DATE (MO-DA-YR) 04-26-10		APICAL INDUSTRIES	
DRAWN BY A. QUAN		2608 TEMPLE HEIGHTS DR. OCEANSIDE, CA. 92056-3512 (760)724-5300	
CHECKER P. BRAVO		CUTTER SUB ASSYS	
DRAWING APPROVAL P. BRAVO 04-26-10			
CONTRACT No.			
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 2 PLACE DECIMALS ±.03 3 PLACE DECIMALS ±.010 ANGLES ±.5°		SIZE B	REV. N/C
CAGE CODE 07MZ6		DWG. NO. 647.9700	
SCALE NONE		SHEET 6 OF 7	



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REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED



HOLE LOCATIONS +/- .002

ORIGINAL DATE (MO-DA-YR) 04-26-10		APICAL INDUSTRIES 2608 TEMPLE HEIGHTS DR. OCEANSIDE, CA. 92056-3512 (760)724-5300	
DRAWN BY A. QUAN	CHECKER P. BRAVO		
DRAWING APPROVAL P. BRAVO 04-26-10			
CONTRACT No.		CUTTER SUB ASSYS	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 2 PLACE DECIMALS ±.03 3 PLACE DECIMALS ±.010 ANGLES ± 5°			
SIZE B	CAGE CODE 07MZ6	DWG. NO. 647.9700	REV. N/C
SCALE NONE		SHEET 7	OF 7